

**WIRELESS DISTRIBUTED BASE STATION****ABSTRACT**

5           A base transceiver station includes at least one base band unit and at least one radio frequency unit. The base transceiver station also includes a wireless link for coupling the baseband unit with the radio frequency unit. The baseband and radio frequency units may be spaced, in one example, at a distance of about 500 meters. In support of the wireless link, the base  
10   band unit(s) may comprise a multi-headed air interface antenna (e.g., one or more antenna heads per sector). The multi-headed air interface antenna may be tuned to support a data rate of at least 100 Mbps, and may comprise wideband and/or narrowband characteristics. Moreover, the radio frequency unit(s) may comprises an RF antenna for supporting the  
15   wireless link. The RF antenna may be tuned to support a data rate of at least 100 Mbps and also may comprise wideband and/or narrowband characteristics.